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May 4, 2004

TO: Mr. Russell Hart, RPM
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

FROM: Mr. David Curnock, PM, SECOR International Incorporated *AK for DMC*

RE: **MONTHLY PROGRESS REPORT/MEMORANDUM**
Area 9/10 Remedial Design
Southeast Rockford Groundwater Contamination Superfund Site
Rockford, Illinois

Copies: Mr. Thomas Turner, Regional Counsel, USEPA Region V
Mr. Scott Moyer, Hamilton Sundstrand/United Technologies Corporation
Ms. Kathleen McFadden, United Technologies Corporation
Mr. Thomas Williams, PM, IEPA
Mr. Terry Ayers, IEPA

CURRENT MONTH PROJECT ISSUES/STATUS: *(activities, meetings, deliverables, etc.)*

The field sampling activities associated with the Pre-Design Investigation were completed during the month of April 2004 with the development, purging and sampling of the newly installed and existing monitoring wells. Samples were collected for laboratory analyses from a total of 24 wells. Monitoring wells included in the groundwater sampling effort were as follows:

- Shallow (water table) monitoring wells located in the right-of-way of 23rd Avenue between 9th and 11th Streets (SMW-1, SMW-2, and SMW-3);
- Shallow monitoring wells located on the Hamilton Sundstrand facility (SMW-4, SMW-5, SMW-8, MW-7-FGA, MW-3-FGA, and SMW-15);
- Shallow monitoring wells located on the DRB Buildings property south of the Hamilton Sundstrand facility on the west side of 11th Street (SMW-7, SMW-16A, SWM-17, SMW-18, and MW-127);
- Shallow monitoring wells located on the Rockford Products parking lot south of the Hamilton Sundstrand facility on the east side of 9th Street (SMW-6 and MW201);
- Shallow monitoring wells located east of 11th Street on an off-site property north and east of the Hamilton Sundstrand facility (MW-202 and MW-203);
- Medium depth (80 to 100 feet screened interval) monitoring wells located on Hamilton Sundstrand facility (SMW-9 and SMW-11R);
- A medium depth monitoring well located on the Rockford Products parking lot south of the Hamilton Sundstrand facility on the east side of 9th Street (MW-13);
- Deep monitoring wells (screened interval of 115 feet or greater down to 145 feet) located on the Hamilton Sundstrand facility (MW-10 and MW-12); and,

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- A deep monitoring well located on the Rockford Products parking lot south of the Hamilton Sundstrand facility on the east side of 9th Street (MW-14).

No groundwater samples were collected for analyses from the shallow wells RW-1, RW-2, and RW-3 located in the South Alley of the Hamilton Sundstrand facility due to the presence of a measurable layer of light non-aqueous phase liquid (LNAPL) hydrocarbon. Thickness of the LNAPL ranged from approximately 0.2 feet to 0.02 feet. The LNAPL appears to be contained within the eastern portion of the South Alley. No LNAPL was observed during drilling or gauging in the four wells located south and southwest of this portion of the South Alley on the adjacent DRB Buildings property. Continuing and future LNAPL recovery efforts will be further evaluated upon receipt of analytical data from groundwater samples. No other presence of LNAPL or dense non-aqueous phase liquid (DNAPL) was identified during the pre-design investigation efforts.

There were three wells (MW-201, MW-202, and MW-203) included in this sampling that are part of the site-wide monitoring well network used by the City of Rockford in fulfillment of the long term monitoring commitment associated with the second Record of Decision associated with the Southeast Rockford Groundwater Contamination Superfund Site. Access to these wells for sampling and gauging purposes was obtained through the City of Rockford Water Department.

Monitoring well MW-127, located on the DRB Buildings property, was an existing well that was installed by Illinois Environmental Protection Agency (IEPA) over ten years ago in association with early investigative activities. Access to this well was obtained from the IEPA for the purposes of gauging and sample collection.

All monitoring wells have been surveyed by an Illinois licensed land surveyor with respect to location and top of casing elevation. This survey was completed during April 2004 with the inclusion of the monitoring wells located off of the Hamilton Sundstrand property.

Investigation derived wastes (IDWs) from areas other than the OSA are being managed as non-hazardous wastes based on laboratory characterization results. These materials have been stored on-site in appropriate covered/closed containers in a secured area of the Hamilton Sundstrand facility prior to disposal/treatment off-site.

FUTURE PROJECT ISSUES/STATUS: *(activities, meetings, deliverables, etc.)*

Project activities for May 2004 will include the development of groundwater flow information based on elevation survey data and depth to groundwater gauging from the sampling event performed in April. An additional round(s) of groundwater elevation data will be collected in May. Remaining IDWs from pre-design investigation activities currently stored on the Hamilton Sundstrand facility will be removed for proper treatment/disposal.

The raw analytical laboratory results from the April 2004 groundwater sampling event are anticipated to be received in mid-May. These data will be forwarded to USEPA with the next

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progress memorandum. This raw analytical data will also be subjected to data validation activities upon receipt from the laboratory. Information collected during the pre-design investigation (base map/figures, boring logs, well construction logs, analytical results, groundwater flow direction and gradient information, etc.) will be compiled as the basis of the Data Evaluation Summary Report.

Pilot testing activities have been completed and the analytical data collected during these tests are under-going data validation. As well, the compiled information is being prepared in the form of a Pilot Test Report.

SAMPLE/TEST DATA SUBMITTALS:

No sample/test data are included with this progress memorandum.

RD SCHEDULE UPDATE: *(attach updated schedule as necessary)*

The majority of the field sampling activities associated with the Pre-Design Investigation is complete. A revised RD activity schedule is being prepared which will contain the steps and milestones associated with the completion of the RD activities for Area 9/10 as they are currently understood in accordance with the Administrative Order on Consent. Hamilton Sundstrand has been and is cooperating with the IEPA in attempting to coordinate and share information in order to reduce or eliminate duplicity or unnecessary efforts within the RD scope for Area 9/10.

Hamilton Sundstrand will continue to work with the USEPA on keeping the RD efforts for Area 9/10 moving forward in a timely and reasonable fashion.

REALIZED/ANTICIPATED PROBLEM CONDITIONS:

None.

PERSONNEL CHANGES:

None.